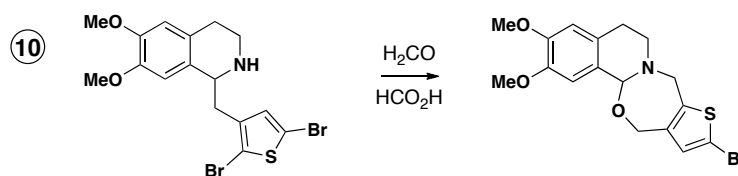
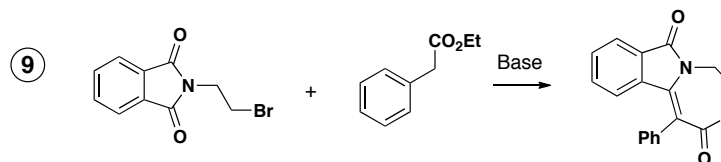
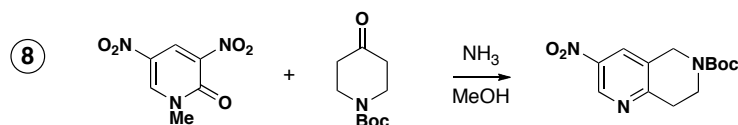
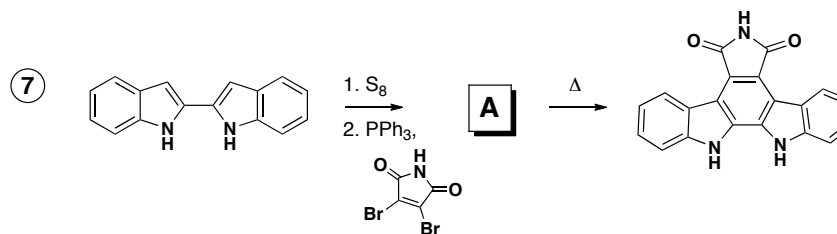
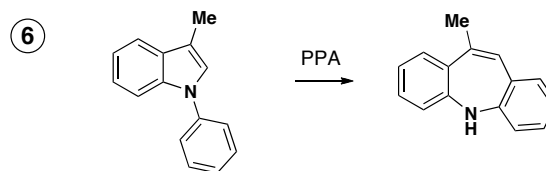
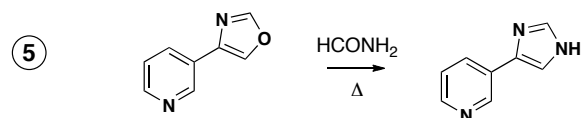
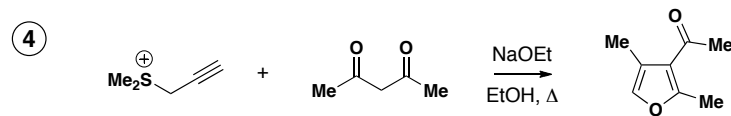
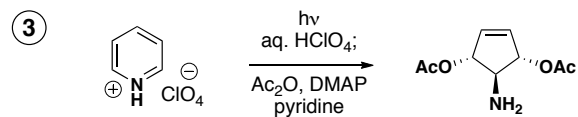
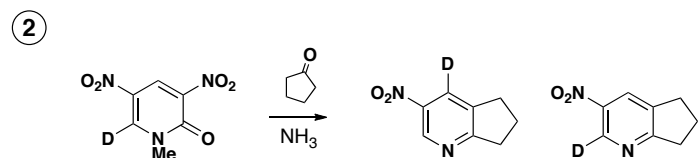
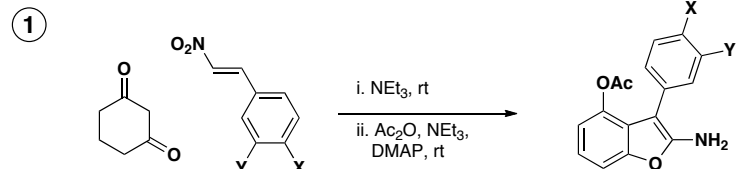


Due Date: April 30th, 2009

Provide reasonable mechanisms for the following transformations. (5 points each)



Provide simple syntheses for the following compounds. (5 points each)
(You may not use Pd or other similar metals that achieve cross-coupling.)

